

Amendments to the Specification

Please replace paragraph numbered [0064] beginning on page 14, line 1 and ending on page 14, line 9 of applicant's specification with the following paragraph:

-- [0064] A first ~~hericoid~~ helicoid 145a, which is formed on the outer circumference of a first lens barrel 145 is engaged with second cam grooves 144b formed in the inner circumferential surface (Fig. 9) of the second differential barrel 144. Furthermore, three cam pins 148a provided on the outer circumference of a second lens holder 148 holding a second lens unit 152 are engaged with third cam grooves 144c formed in the inner circumferential surface (Fig. 9) of the second differential barrel 144. --

Please replace paragraph numbered [0065] beginning on page 14, line 10 and ending on page 14, line 21 of applicant's specification with the following paragraph:

-- [0065] When the second differential barrel 144 is rotated around the optical axis, the first lens barrel 145 is advanced or retracted in the direction of the optical axis due to the engaging action of the first ~~hericoid~~ helicoid 145a and the second cam grooves 144b, and can be moved to a predetermined position in accordance with the drive amount of the motor 108. Moreover, the second lens holder 148 is advanced or retracted in the direction of the optical axis due to the engaging action of cam pin 148a and the third cam grooves 144c, and can be moved to a predetermined position in accordance with the drive amount of the motor 108. A mask 155 is arranged in front of the second lens holder 148. --

Please replace paragraph numbered [0075] beginning on page 16, line 17 and ending on page 16, line 22 of applicant's specification with the following paragraph:

-- [0075] The first ~~hericoid~~ helicoid 145a that is formed on the outer circumference of the first lens barrel 145 holding the first lens group 160 is in the position marked as 144b1 in the

second cam groove 144b in the second differential barrel 144 shown in Fig. 10, and the first lens barrel 145 does not protrude the second differential barrel 144. --

Please replace paragraph numbered [0096] beginning on page 23, line 7 and ending on page 23, line 10 of applicant's specification with the following paragraph:

-- [0096] After the first ~~herieoid~~ helicoid 145a of the first lens barrel 145 has moved temporarily from the position 144b1 to the position 144b5 in the second cam groove 144b in Fig. 10, it returns to the position 144b2. --

Please replace paragraph numbered [0097] beginning on page 23, line 11 and ending on page 23, line 18 of applicant's specification with the following paragraph:

-- [0097] That is to say, as indicated by the arrow Z1 in Fig. 11, the first ~~herieoid~~ helicoid 145a is first moved, by rotating the motor 108 in one direction, from a position A through positions D and B to a position C. Then, by stopping the drive of the motor 108 and rotating the motor 108 in the reverse direction, it is returned from the position C to the position D. Stopping the first ~~herieoid~~ helicoid 145a in the D position, the lens barrel assumes the wide standby state. --

Please replace paragraph numbered [0108] beginning on page 26, line 24 and ending on page 27, line 6 of applicant's specification with the following paragraph:

-- [0108] In this situation, the ~~herieoid~~ helicoid 145a of the first lens barrel 145 moves to a predetermined position in accordance with the object distance between the position 144b3 (infinity) and position 144b4 (close range) in the second cam groove 144b in Fig. 10. That is to say, as shown by the arrow F1 in Fig. 11, the ~~herieoid~~ helicoid 145a at position D is moved to position E (predetermined position between D and C that corresponds to the object

distance) in response to operating the release button 130 to the first stroke, and is then stopped. --

Please replace paragraph numbered [0114] beginning on page 28, line 14 and ending on page 28, line 23 of applicant's specification with the following paragraph:

-- [0114] Here, as indicated by the arrow F2 in Fig. 11, the first ~~hericoid~~ helicoid 145a of the first lens barrel 145 and the group 2 cam pins 148a of the group 2 lens holder 148 in position E are returned to and stopped at the position D. When the first differential barrel 142 has returned to the wide standby state, the comparator 112b is inverted and the drive of the motor 108 is stopped. Then, the photographic film is transported forward by one frame by a film transport mechanism as known in the art, and the camera assumes the state it was in before the release button 130 was operated. --

Please replace paragraph numbered [0120] beginning on page 29, line 22 and ending on page 30, line 5 of applicant's specification with the following paragraph:

-- [0120] When the lens unit is at the wide state, and the operator has continuously operated the zooming operation member 118 for a predetermined time so that the zooming signal processing circuit 115 has determined that the zoom position is M2, then the motor 108 is rotated in the forward direction in order to move the lens unit to a position corresponding to M2. Thus, as indicated by the arrow Z2 in Fig. 11, the ~~hericoid~~ helicoid 145a and cam pin 148a are moved from the position D through the positions C and G to the position F. --

Please replace paragraph numbered [0122] beginning on page 30, line 10 and ending on page 30, line 20 of applicant's specification with the following paragraph:

-- [0122] When the lens barrel is in the M2 state and the camera operator pushes the release button 130 of the camera body down to the first stroke, the microcomputer 113 drives the

motor 108 in order to adjust the focus in accordance with the object distance. The drive force of the motor 108 is transmitted to the first differential barrel 142, and the ~~herieoid~~ helicoid 145a of the first lens barrel 145 is moved from the position G to the position H (predetermined position between G and I that corresponds to the object distance) in the second cam grooves 144b, as indicated by the arrow F3 in Fig. 11. --

Please replace paragraph numbered [0124] beginning on page 30, line 25 and ending on page 31, line 5 of applicant's specification with the following paragraph:

-- [0124] Focus adjustment is carried out by moving the ~~herieoid~~ helicoid 145a and cam pin 148a to the position H. Then, when the release button 130 is pushed down to the second stroke, exposure is performed by opening and closing the shutter blades. After the exposure operation has finished, the ~~herieoid~~ helicoid 145a and cam pin 148a are moved to the position G as shown by an arrow F4 in Fig. 11, and the film is transported forward by one frame. --

Please replace paragraph numbered [0129] beginning on page 32, line 4 and ending on page 32, line 15 of applicant's specification with the following paragraph:

-- [0129] When the lens barrel is in the telephoto state and the camera operator pushes the release button 130 of the camera body down to the first stroke, the microcomputer 113 drives the motor 108 in order to adjust the focus in accordance with the object distance. The drive force of the motor 108 is transmitted to the first differential barrel 142, and the ~~herieoid~~ helicoid 145a of the first lens barrel 145 is moved from the position T to the position U (a specific position corresponding to the object distance: a specific position between positions 144b19 and 144b20 in Fig. 10) in the second cam grooves 144b, as indicated by the arrow F5 in Fig. 12. --

Please replace paragraph numbered [0131] beginning on page 32, line 21 and ending on page 33, line 1 of applicant's specification with the following paragraph:

-- [0131] Focus adjustment is carried out by moving the ~~herieoid~~ helicoid 145a and cam pin 148a to the position U. Then, when the release button 130 is pushed down to the second stroke, exposure is performed by opening and closing the shutter blades. After the exposure operation has finished, the ~~herieoid~~ helicoid 145a and cam pin 148a are moved to the position T as shown by the arrow F6 in Fig. 12, and the film is transported forward by one frame. --

Please replace paragraph numbered [0175] beginning on page 43, line 7 and ending on page 43, line 13 of applicant's specification with the following paragraph:

-- [0175] At this time, the barrier ring 181 rotates in the direction shown by an arrow X so that the barrier blades 185 to 188 open once. Then, when the lens barrel retracts further, the junction 181c departs ~~form~~ from the third cam face 147r, makes contact with the first cam face ~~147r~~ 147n and moves along the first cam face 147n. Owing to this, the barrier ring 181 rotates in the direction shown by an arrow Y in Fig. 22 so that the barrier blades 185 to 188 close normally. --